

Maryland HIV/AIDS Quarterly Update

Fourth Quarter 2015

Data reported through December 31, 2015



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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone.

Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.

- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 12.8% of people living with HIV infection are undiagnosed. In Maryland, it is estimated that 18.7% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

Please note that not all data has been geocoded in the quarterly reports and therefore is preliminary. Geocoding is the process of assigning geographic identifiers to map features and data records. Addresses are standard data elements required by law and submitted as part of reporting requirements; however, the information may be incomplete which then requires a geocoding process to improve the quality of data. This process is fully completed on the end-of-the-year data set.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (a quarter-year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 01/01/2014-12/31/2014 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2014-12/31/2014, as reported by name through 12/31/2015.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV

Cases on 12/31/2014 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2014 as reported by name through 12/31/2015.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" initially after diagnosis or in following years that they remain "in care".

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2015.

Population data by sex, age, and race/ethnicity are from the July 1, 2014 U.S. Census Estimates. Due to estimation limitations, some population totals may not equal the sum of its components.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Median: The measure of central location which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 12/31/2014.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 12/31/2014 of 200 copies per milliliter or greater.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 12/31/2014 of less than 200 copies per milliliter.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 12/31/2014.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 12/31/2014.

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Section II – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 01/01/2014-12/31/2014 , First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Allegany	62,395	0	0.0%	0.0	0	--	--	--	--
Anne Arundel	454,247	54	4.4%	11.9	47	87.0%	306	85.2%	24.1%
Baltimore City	509,885	288	23.4%	56.5	230	79.9%	399	78.5%	27.4%
Baltimore	678,382	173	14.1%	25.5	140	80.9%	392	82.7%	23.7%
Calvert	73,079	1	0.1%	1.4	***	***	***	***	***
Caroline	26,092	3	0.2%	11.5	***	***	***	***	***
Carroll	137,758	5	0.4%	3.6	5	100.0%	357	100.0%	60.0%
Cecil	82,645	4	0.3%	4.8	***	***	***	***	***
Charles	123,634	42	3.4%	34.0	32	76.2%	385	81.0%	26.2%
Dorchester	26,722	6	0.5%	22.5	5	83.3%	290	100.0%	16.7%
Frederick	195,955	15	1.2%	7.7	14	93.3%	564	80.0%	6.7%
Garrett	25,016	0	0.0%	0.0	0	--	--	--	--
Harford	203,528	25	2.0%	12.3	21	84.0%	584	88.0%	28.0%
Howard	247,305	25	2.0%	10.1	18	72.0%	435	72.0%	28.0%
Kent	17,048	3	0.2%	17.6	***	***	***	***	***
Montgomery	828,259	216	17.6%	26.1	181	83.8%	295	81.9%	34.3%
Prince George's	732,039	318	25.9%	43.4	257	80.8%	417	82.4%	25.8%
Queen Anne's	39,957	1	0.1%	2.5	***	***	***	***	***
Saint Mary's	87,571	8	0.7%	9.1	7	87.5%	138	100.0%	62.5%
Somerset	22,193	2	0.2%	9.0	***	***	***	***	***
Talbot	31,826	1	0.1%	3.1	***	***	***	***	***
Washington	122,189	7	0.6%	5.7	7	100.0%	319	85.7%	28.6%
Wicomico	83,010	11	0.9%	13.3	9	81.8%	312	81.8%	27.3%
Worcester	44,154	0	0.0%	0.0	0	--	--	--	--
Corrections	--	22	1.8%	--	16	72.7%	361	77.3%	18.2%
TOTAL	5,005,603	1,230	100.0%	24.6	1,002	81.5%	374	81.7%	27.6%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 01/01/2014-12/31/2014 , Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	62,395	0	0.0%	0.0	--	--
Anne Arundel	454,247	28	4.4%	6.2	6.6	50.0%
Baltimore City	509,885	181	28.3%	35.5	4.6	43.1%
Baltimore	678,382	75	11.7%	11.1	3.5	54.7%
Calvert	73,079	1	0.2%	1.4	***	***
Caroline	26,092	3	0.5%	11.5	***	***
Carroll	137,758	4	0.6%	2.9	***	***
Cecil	82,645	2	0.3%	2.4	***	***
Charles	123,634	19	3.0%	15.4	2.8	57.9%
Dorchester	26,722	1	0.2%	3.7	***	***
Frederick	195,955	5	0.8%	2.6	4.6	40.0%
Garrett	25,016	0	0.0%	0.0	--	--
Harford	203,528	14	2.2%	6.9	2.8	50.0%
Howard	247,305	12	1.9%	4.9	3.1	58.3%
Kent	17,048	1	0.2%	5.9	***	***
Montgomery	828,259	101	15.8%	12.2	1.7	77.2%
Prince George's	732,039	167	26.1%	22.8	3.3	56.3%
Queen Anne's	39,957	2	0.3%	5.0	***	***
Saint Mary's	87,571	5	0.8%	5.7	0.2	100.0%
Somerset	22,193	0	0.0%	0.0	--	--
Talbot	31,826	1	0.2%	3.1	***	***
Washington	122,189	2	0.3%	1.6	***	***
Wicomico	83,010	6	0.9%	7.2	6.0	50.0%
Worcester	44,154	0	0.0%	0.0	--	--
Corrections	--	9	1.4%	--	4.2	22.2%
TOTAL	5,005,603	639	100.0%	12.8	3.5	55.6%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	62,395	39	0.3%	62.5	32	0.2%	51.3	71	0.2%	113.8	878
Anne Arundel	454,247	513	3.7%	112.9	656	4.0%	144.4	1,169	3.8%	257.3	388
Baltimore City	509,885	5,225	37.6%	1,024.7	6,461	39.0%	1,267.1	11,686	38.4%	2,291.9	43
Baltimore	678,382	1,440	10.4%	212.3	1,655	10.0%	244.0	3,095	10.2%	456.2	219
Calvert	73,079	48	0.3%	65.7	49	0.3%	67.1	97	0.3%	132.7	753
Caroline	26,092	28	0.2%	107.3	32	0.2%	122.6	60	0.2%	230.0	434
Carroll	137,758	58	0.4%	42.1	69	0.4%	50.1	127	0.4%	92.2	1,084
Cecil	82,645	47	0.3%	56.9	59	0.4%	71.4	106	0.3%	128.3	779
Charles	123,634	219	1.6%	177.1	188	1.1%	152.1	407	1.3%	329.2	303
Dorchester	26,722	38	0.3%	142.2	74	0.4%	276.9	112	0.4%	419.1	238
Frederick	195,955	156	1.1%	79.6	156	0.9%	79.6	312	1.0%	159.2	628
Garrett	25,016	3	0.0%	12.0	3	0.0%	12.0	6	0.0%	24.0	4,169
Harford	203,528	185	1.3%	90.9	225	1.4%	110.5	410	1.3%	201.4	496
Howard	247,305	229	1.6%	92.6	236	1.4%	95.4	465	1.5%	188.0	531
Kent	17,048	16	0.1%	93.9	18	0.1%	105.6	34	0.1%	199.4	501
Montgomery	828,259	1,720	12.4%	207.7	2,012	12.2%	242.9	3,732	12.3%	450.6	221
Prince George's	732,039	3,032	21.8%	414.2	3,337	20.2%	455.9	6,369	20.9%	870.0	114
Queen Anne's	39,957	14	0.1%	35.0	31	0.2%	77.6	45	0.1%	112.6	887
Saint Mary's	87,571	56	0.4%	63.9	63	0.4%	71.9	119	0.4%	135.9	735
Somerset	22,193	21	0.2%	94.6	29	0.2%	130.7	50	0.2%	225.3	443
Talbot	31,826	22	0.2%	69.1	31	0.2%	97.4	53	0.2%	166.5	600
Washington	122,189	164	1.2%	134.2	135	0.8%	110.5	299	1.0%	244.7	408
Wicomico	83,010	93	0.7%	112.0	101	0.6%	121.7	194	0.6%	233.7	427
Worcester	44,154	29	0.2%	65.7	45	0.3%	101.9	74	0.2%	167.6	596
Corrections	--	509	3.7%	--	852	5.1%	--	1,361	4.5%	--	--
TOTAL	5,005,603	13,904	100.0%	277.8	16,549	100.0%	330.6	30,453	100.0%	608.4	164

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2014.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	71	47	66.2%	641	4.3%	8.5%	17.0%	70.2%
Anne Arundel	1,169	673	57.6%	522	12.6%	17.2%	17.7%	52.5%
Baltimore City	11,686	7,012	60.0%	528	13.0%	14.7%	18.7%	53.7%
Baltimore	3,095	1,867	60.3%	518	14.5%	13.8%	19.0%	52.8%
Calvert	97	60	61.9%	634	6.7%	11.7%	15.0%	66.7%
Caroline	60	37	61.7%	554	8.1%	16.2%	13.5%	62.2%
Carroll	127	62	48.8%	526	21.0%	6.5%	19.4%	53.2%
Cecil	106	53	50.0%	496	5.7%	24.5%	22.6%	47.2%
Charles	407	249	61.2%	563	12.9%	12.0%	14.1%	61.0%
Dorchester	112	77	68.8%	547	7.8%	15.6%	19.5%	57.1%
Frederick	312	163	52.2%	539	8.6%	9.8%	21.5%	60.1%
Garrett	6	***	***	***	***	***	***	***
Harford	410	256	62.4%	558	17.6%	11.7%	16.0%	54.7%
Howard	465	260	55.9%	579	13.1%	9.2%	17.3%	60.4%
Kent	34	***	***	***	***	***	***	***
Montgomery	3,732	1,883	50.5%	528	11.1%	14.8%	20.0%	54.1%
Prince George's	6,369	3,404	53.4%	524	12.8%	14.8%	19.2%	53.2%
Queen Anne's	45	28	62.2%	640	10.7%	10.7%	14.3%	64.3%
Saint Mary's	119	78	65.5%	493	7.7%	16.7%	26.9%	48.7%
Somerset	50	41	82.0%	559	7.3%	12.2%	19.5%	61.0%
Talbot	53	37	69.8%	408	18.9%	18.9%	18.9%	43.2%
Washington	299	158	52.8%	622	10.1%	7.0%	19.0%	63.9%
Wicomico	194	119	61.3%	535	11.8%	19.3%	15.1%	53.8%
Worcester	74	46	62.2%	557	13.0%	17.4%	8.7%	60.9%
Corrections	1,361	794	58.3%	478	16.4%	17.6%	18.5%	47.5%
TOTAL	30,453	17,426	57.2%	528	12.9%	14.6%	18.8%	53.7%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Recent CD4 Test Result: The most recent CD4 test result reported in the 12 months prior to 12/31/2014.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 12/31/2014.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2014, by Jurisdiction, Reported through 12/31/2015

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	71	46	64.8%	87.0%	2,543
Anne Arundel	1,169	599	51.2%	73.0%	12,195
Baltimore City	11,686	5,997	51.3%	71.3%	8,000
Baltimore	3,095	1,644	53.1%	72.0%	12,357
Calvert	97	57	58.8%	91.2%	34,480
Caroline	60	34	56.7%	88.2%	22,807
Carroll	127	57	44.9%	75.4%	36,484
Cecil	106	50	47.2%	78.0%	9,953
Charles	407	253	62.2%	73.9%	7,865
Dorchester	112	69	61.6%	91.3%	7,730
Frederick	312	167	53.5%	87.4%	4,930
Garrett	6	***	***	***	***
Harford	410	224	54.6%	78.1%	15,014
Howard	465	253	54.4%	78.3%	7,640
Kent	34	***	***	***	***
Montgomery	3,732	1,885	50.5%	83.3%	8,517
Prince George's	6,369	3,389	53.2%	77.6%	9,826
Queen Anne's	45	25	55.6%	84.0%	2,520
Saint Mary's	119	79	66.4%	78.5%	7,110
Somerset	50	38	76.0%	73.7%	16,505
Talbot	53	35	66.0%	80.0%	22,486
Washington	299	151	50.5%	90.7%	12,621
Wicomico	194	114	58.8%	78.9%	7,600
Worcester	74	45	60.8%	84.4%	1,020
Corrections	1,361	645	47.4%	66.8%	9,124
TOTAL	30,453	15,877	52.1%	75.1%	9,320

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 12/31/2014.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Recent Viral Load Test Result: The most recent viral load test result reported in the 12 months prior to 12/31/2014.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 12/31/2014 of less than 200 copies per milliliter.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 12/31/2014 of 200 copies per milliliter or greater.